

Serial No.: 10/671,846
Amdt. Dated October 25, 2005
Reply to Office action of August 25, 2005

133074-1

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. (currently amended) A multilayer backlighting display optical film, said film comprising at least two backlighting display component films, at least one of said backlighting display component films having an upper and lower surface, said upper surface comprising a series of optical structures and a plurality of raised spacing structures, said lower surface being essentially planar, said backlighting display component films being joined so as to constitute a single film structure comprising at least one gap disposed between said backlighting display component films, wherein said gap is greater than the coherent length of light used to illuminate said optical film.

2. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein said optical structures are convex structures.

3. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein said optical structures are concave structures.

4. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein said optical structures are prisms.

5. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein said raised spacing structures comprise at least one post-structure.

6. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein said raised spacing structures comprise at least one beam structure.

7. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein said raised spacing structures have a height relative to the optical structures said height being between about 0.1 and about 20 microns.

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8. (currently amended) A multilayer backlighting display optical film according to claim 7 wherein said raised spacing structures comprise at least one post-structure.

9. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein said backlighting display component films have a thickness between about 0.006 and about 5 millimeters.

10. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein said gap comprises at least one member selected from the group consisting of solid matter, fluid matter and combinations thereof.

11. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein the raised spacing structures have equal heights relative to the optical structures.

12. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein the raised spacing structures have unequal heights relative to the optical structures.

13. (currently amended) A multilayer backlighting display optical film according to claim 1 wherein the raised spacing structures occupy an area, said area being defined as a percentage of a total area of the film surface upon which the raised spacing structures are disposed, said percentage being in a range between about 1 and about 50 percent.

14-28. (canceled)